

Title (en)

Method for coding adapted to the recognition of synchronisation words in a sequence of words coded with a variable-length code.

Title (de)

Verfahren zur Kodierung, geeignet zur Erkennung von Synchronisations-Worten in einer Folge von kodierten Worten, die mittels eines Kodes mit variabler Länge kodiert sind.

Title (fr)

Procédé de codage adapté à la reconnaissance de mots de synchronisation dans des suites de mots codés à longueurs variables.

Publication

EP 0365405 B1 19940413 (FR)

Application

EP 89402831 A 19891013

Priority

FR 8813760 A 19881019

Abstract (en)

[origin: WO9004885A1] The coding method is adapted to the recognition of synchronization words in sequences of coded words of variable lengths, each coded word corresponding to an event or a determined message of a sequence of messages each being affected with an occurrence probability. The method consists in constructing a dichotomic coding tree including a predetermined number of leaves (F1 ... F4) distributed on priority levels (n1 ... n4) classified in a decreasing order starting from the tree roots to the leaves, the number of leaves being equal to the number of events to be coded, in placing adjacent leaves on each level, the leaves corresponding to the most probable events being placed at one extremity to the right or to the left on each level, and in forbidding in the coded words the sequences of Smax bits of same value, zero or one to obtain an easy choice of synchronization words. Application: digital television systems with flow rate compression.

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H03M 7/40

IPC 8 full level

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CPC (source: EP US)

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Computer Design, vol.16, No.4 Avril 1977, pages 85 à 90; Y.Dishon: "Data compaction in computer system"

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